

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. (Optional) JHU1680-2	Serial N. : 09/904,968
JUN 17 2002 SCT-24-1000		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant(s): Germino et al.	
	Filing Date: July 13, 2001	Group Art Unit: 1634

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U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

60	AA	Rossetti, Sandro et al., "Mutation Analysis of the Entire PKD1 Gene: Genetic and Diagnostic Implications," <i>Am. J. Hum. Genet.</i> , Vol. 68, 2001, pgs. 46-63.
60	AB	Rossetti, Sandro et al., "The Position of the Polycystic Kidney Disease 1 (PKD1) Gene Mutation Correlates With the Severity of Renal Disease," <i>J. Am. Soc. Nephrol.</i> , Vol. 13, 2002, pgs. 1230-1237.

EXAMINER	DATE CONSIDERED
<i>Galaxy Gallo</i>	1/26/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<p>FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office</p> <p style="text-align: center;">U.S. PATENT AND TRADEMARK OFFICE MAY 06 2002</p>		Docket No. (Optional) JHU1680-2	Serial No.: 09/904,968
		Applicant(s): Germino et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date: July 13, 2001	Group Art Unit 1645
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U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	TECH CENTER SUB-CLASS	FILING DATE
<i>LG</i>	AA 5,654,170	08/05/1997	Klinger et al.			
<i>LG</i>	AB 6,071,717	06/06/2000	Klinger et al.			

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>LG</i>	AC	Bogdanova, Nadia et al., "Homologues to the First Gene for Autosomal Dominant Polycystic Kidney Disease are Pseudogenes," <i>Genomics</i> , Vol. 74, 2001, pgs. 333-341.
<i>LG</i>	AD	Boletta, Alessandra et al., "Polycystin-1, the Gene Product of PKD1, Induces Resistance to Apoptosis and Spontaneous Tubulogenesis in MDCK Cells," <i>Molecular Cell</i> , Vol. 6, November 2000, pgs. 1267-1273.
<i>LG</i>	AE	The European Polycystic Kidney Disease Consortium, "The Polycystic Kidney Disease 1 Gene Encodes a 14 kb Transcript and Lies within a Duplicated Region on Chromosome 16," <i>Cell</i> , Vol. 77, June 17, 1994, pgs. 881-894.
<i>LG</i>	AF	Phakdeekitcharoen, Bunyong et al., "Thirteen Novel Mutations of the Replicated Region of PKD1 in an Asian Population," <i>Kidney International</i> , Vol. 58, 2000, pgs. 1400-1412.

EXAMINER	DATE CONSIDERED
<i>Germino</i>	1/26/04

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<p>Applicant(s): Germino et al.</p>		<p style="text-align: right;">RECEIVED</p> <p style="text-align: right;">MAY 08 2002</p>
<p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p>		<p>Filing Date: July 13, 2001</p> <p>Group Art Unit: 1645 TECH CENTER 1000/2000</p>

5	AG	Phakdeekitcharoen, Bunyong et al., "Mutation Analysis of the Entire Replicated Portion of PKD1 Using Genomic DNA Samples," <i>J. Am. Soc. Nephrol.</i> , Vol. 12, 2001, pgs. 955-963. (4)
6	AH	Watnick, Terry J. et al., "An Unusual Pattern of Mutation in the Duplicated Portion of PKD1 is Revealed by Use of a Novel Strategy for Mutation Detection," <i>Human Molecular Genetics</i> , Vol. 6, No. 9, 1997, pgs. 1473-1481. (5)
7	AI	Watnick, Terry J., "Gene Conversion is a Likely Cause of Mutation in PKD1," <i>Human Molecular Genetics</i> , Vol. 7, No. 8 1998, pgs. 1239-1243. (6)
8	AJ	Watnick, Terry J. et al., "Somatic Mutation in Individual Liver Cysts Supports a Two-Hit Model of Cystogenesis in Autosomal Dominant Polycystic Kidney Disease," <i>Molecular Cell</i> , Vol. 2, August 1998, pgs. 247-251. (7)
9	AK	Watnick, Terry et al., "Mutation Detection of PKD1 Identifies a Novel Mutation Common to Three Families with Aneurysms and/or Very-Early-Onset Disease," <i>Am. J. Hum. Genet.</i> , Vol. 65, 1999, pgs. 1561-1571. (8)

EXAMINER	DATE CONSIDERED
<i>Sammy Suh</i>	11/26/04

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		Applicant(s): Germino et al.	RECEIVED FEB 28 2003
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Filing Date: July 13, 2001	Group Art Unit: 1645 TECH CENTER 1600/2900

1	AH	Turco et al., "A novel nonsense mutation in the PKD1 gene (C3817T) is associated with autosomal dominant polycystic kidney disease (ADPKD) in a large three-generation Italian family."
2	AI	Ward et al., "Homo sapiens polycystic kidney disease-associated protein (PKD1) gene," <i>Database EMBL Online!</i> , HTTP://WWW.EMBL.AC.UK, May 4, 1995
3	AJ	Watnick, Terry J. et al., "An Unusual Pattern of Mutation in the Duplicated Portion of PKD1 is Revealed by Use of a Novel Strategy for Mutation Detection," <i>Human Molecular Genetics</i> , Vol. 6, No. 9, 1997, pgs. 1473-1481.
4	AK	Watnick, Terry J. et al., "Somatic Mutation in Individual Liver Cysts Supports a Two-Hit Model of Cystogenesis in Autosomal Dominant Polycystic Kidney Disease," <i>Molecular Cell</i> , Vol. 2, August 1998, pgs. 247-251.
5	AL	Watnick, Terry et al., "Mutation Detection of PKD1 Identifies a Novel Mutation Common to Three Families with Aneurysms and/or Very-Early-Onset Disease," <i>Am. J. Hum. Genet.</i> , Vol. 65, 1999, pgs. 1561-1571.
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<i>AA</i>	AA	6,071,717	06/06/2000	Klinger et al.			

FOREIGN PATENT DOCUMENTS

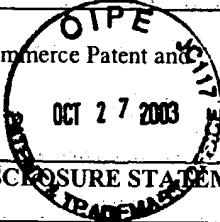
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

1	AB	Neophytou, et al., "Detection of a novel nonsense mutation and an intragenic polymorphism in the PKD1 gene of a Cypriot family with autosomal dominant polycystic kidney disease," <i>Human Genet</i> 98: 437-442 (1996).
2	AC	Peral, et al., "Screening the 3' Region of the Polycystic Kidney Disease 1 (PKD1) Gene Reveals Six Novel Mutations," <i>Am. J. Human Genet.</i> 58: 86 - 96 (1996).
3	AD	Perrichot, et al., "DGGE Screening of PKD1 gene reveals novel mutations in a large cohort of 146 unrelated patients," <i>Hum Genet</i> 105: 231-239 (1999).
4	AE	Phakdeekitcharoen, Bunyong et al., "Mutation Analysis of the Entire Replicated Portion of PKD1 Using Genomic DNA Samples," <i>J. Am. Soc. Nephrol.</i> , Vol. 12, 2001, pgs. 955-963.
5	AF	Roelfsema, et al., "Mutation Detection in the Repeated Part of the PKD1 Gene," <i>Am. J. Hum. Genet.</i> 61: 1044-1052 (1997).
6	AG	Thomas et al., "Identification of Mutations in the Repeated Part of the Autosomal Dominant Polycystic Kidney Disease Type 1 Gene, PKD1, by Long-Range PCR," <i>Am. J. Hum. Genet.</i> 65: 39-49 (1999).

EXAMINER	DATE CONSIDERED
<i>Sally Sali</i>	1/26/04

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FORM PTC-1449 U.S. Department of Commerce Patent and Trademark Office		Docket No. JHU1680-2 (104659-94)	Serial No.: 09/904,968
 OCT 27 2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT			
Applicant(s): Germino et al.			
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U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>GS</i>	6,031,088	02/29/2000	Somlo et al.			
	6,288,591 B1	05/08/2001	Somlo et al.			
	6,380,360 B1	04/30/2002	Harris et al.			
<i>GS</i>	6,485,960 B1	11/26/2002	Harris et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATIO N (YES/NO)
<i>GS</i>	WO95/18225	07/06/1995	WIPO			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

<i>GS</i>	Liu, Wanguo, et al., "Denaturing High Performance Liquid Chromatography (DHPLC) Used in the Detection of Germline and Somatic Mutations," <i>Nucleic Acids Research</i> , Vol. 26, No. 6, Pgs. 1396-1400, 1998
<i>GS</i>	Underhill, Peter A., et al., "Detection of Numerous Y Chromosome Biallelic Polymorphisms by Denaturing High-Performance Liquid Chromatography, <i>Genome Research</i> , Vol. 7, Pgs. 996-1005, 1997

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 104659-94

EXAMINER	<i>Salma J. Ali</i>	DATE CONSIDERED	<i>1/26/04</i>
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